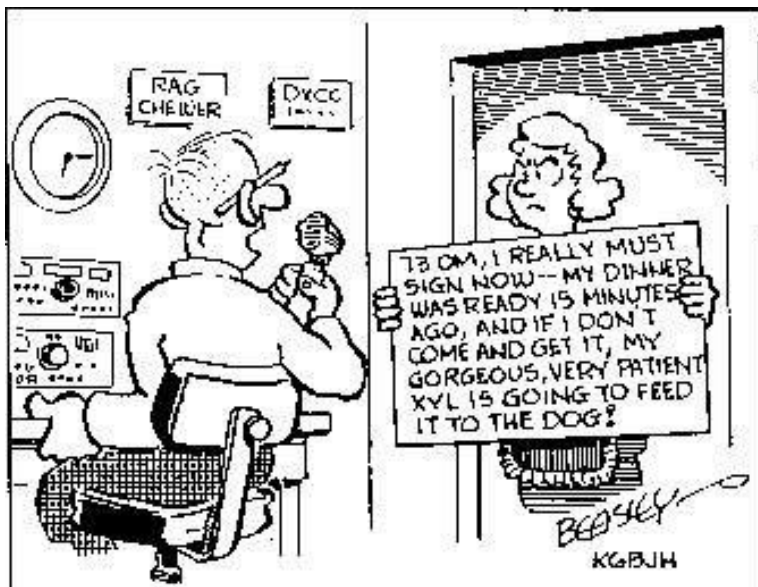


# HF Happenings 784



Volume 15, Issue 47, the week of 26 February 2018



## The SARL Hamnet 40 Metre Simulated Emergency Contest on Sunday 4 March

The popular Hamnet 40 m contest is on the air from 12:00 to 14:00 UTC on Sunday 4 March 2018 with phone activity between 7 063 to 7 100 kHz and 7 130 to 7 200 kHz. The contest is open to all radio amateurs in South Africa, Namibia, Botswana, Zimbabwe, Swaziland, Mozambique, Lesotho, Marion Island and South African Antarctica. Only contacts with these areas will count.

You and/or your Club can participate as a single operator stationary mobile station, a single operator portable station, a multi-operator portable station or a single operator base station. The exchange is a signal report followed by a three-figure number as per your category of participation.

Log sheets must be submitted by 11 March 2018 by e-mail to [contest@peham.co.za](mailto:contest@peham.co.za) or to Hamnet Eastern Cape, Al Akers, ZS2U, 53 Clarence Street, Westering, Port Elizabeth, 6025. Please consult the 2018 SARL Blue Book for all the information on the exchange, scoring and multipliers. You will find an easy to use Microsoft Excel log sheet for this contest on [www.sarl.org.za/public/contests/contestrules.asp](http://www.sarl.org.za/public/contests/contestrules.asp)

## SOTA Summit to Summit Europe to Australia and beyond on 10 March

In Summits on the Air (SOTA), one of the more difficult and therefore challenging actions is to communicate from one summit to another usually using low power and a simple antenna at both ends. Add to that distance and poor propagation and the challenge is enormous.



You can now download your copy of HF Happenings from [www.sarl.org.za/hf\\_happenings.asp](http://www.sarl.org.za/hf_happenings.asp)

### March

- 3 - World Wildlife Day; ARRL DX SSB contest; Cape Town ARC bumper flea market
- 4 - SARL Hamnet 40 m contest; ARRL DX SSB contest
- 5 - Closing date for Digital contest logs
- 8 - International Women's Day
- 10 and 11 - SARL VHF/UHF Analogue contest; 82<sup>nd</sup> RSGB Commonwealth contest
- 12 - Closing date for Hamnet logs
- 19 - Closing date VHF/UHF Analogue logs
- 20 - Autumn Equinox; International Day of Happiness
- 21 - SA Human Right's Day; World Down Syndrome Day; International Day of Forests
- 22 - World Water Day
- 23 - World Meteorological Day
- 24 - Cape Town ARC meeting
- 24 and 25 - CQ WPX SSB Contest
- 26 - Closing date for April Radio ZS
- 28 - Provincial schools close
- 30 - Good Friday/Pesach
- 31 - Pesach

### April

- 1 to 7 - Pesach
- 2 - Family Day; World Autism Awareness Day
- 5 - SARL 80 m QSO Party
- 7 - RaDAR Challenge; United Nations World Health Day
- 7 and 8 - SARL VHF/UHF Digital Contest
- 10 - Provincial Schools open
- 12 - International Day for Human Space Flight; closing date for 80 m QSO logs
- 13 - Friggatriskaidekaphobia
- 13 to 15 - SARL National Convention, Pretoria
- 14 - closing date for RaDAR logs
- 16 - closing date for VHF/UHF digital logs
- 18 - World Amateur Radio Day
- 21 - Autumn QRP contest
- 22 - ZS4 Sprint; May RAE registration closes; Earth Day
- 24 - closing date for May Radio ZS
- 27 - Freedom Day
- 28 - Cape Town ARC meeting; closing date for QRP logs
- 30 - closing date for ZS4 logs

This will not deter over 30 SOTA activators who are planning to climb again this year to summits in Europe, Canada, South Africa, Australia, New Zealand and Japan on Saturday 10 March. In time for long path propagation between Europe and Asia Pacific.

The summit to summit (or S-2-S) event will start around 06:30 UTC – for Long Path between Europe and Australia over the following 90 minutes or so. Despite predicted poor propagation there are from time to time openings even at the bottom of the solar cycle. It is the first time that South Africa is joining in and while contacts from there to Europe are unlikely, contacts over to Australia may take place.

The organisers, Mike, 2E0YYY, Andrew, VK1AD, and Ed, DD5LP, are hopeful that as well as several S2S contacts within the regions, contacts between regions will be possible. The best chance will be stations using CW however those using SSB will be trying hard as well.

For anyone wanting to join the party, either as an activator on a summit or a chaser, home station, discussions can be found on the "reflector.sota.org.uk" web site.

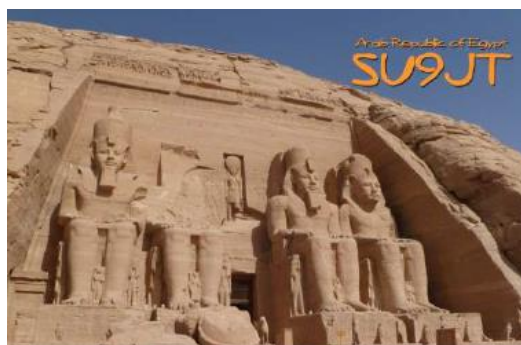
These events are organised by individuals within the SOTA community, so it just shows how much fun can be had based simply on an idea, choosing a date and a loooong walk up a hill on possibly a freezing morning! *(If you are in the northern hemisphere!)*

The ZS SOTA database has been extensively updated, visit [www.sota.org.uk](http://www.sota.org.uk) and look for a summit in your area to activate on 10 March.

## African DX

*Contacts with stations on the African continent count towards the SARL's All Africa Award ([www.sarl.org.za/public/awards/awards.asp](http://www.sarl.org.za/public/awards/awards.asp))*

Egypt, SU. After more than five years in Jordan and about three years of activity as JY9FC which resulted with more than 90 k QSO, Jovica, E78A, has a new work assignment in Cairo, Egypt, until the end of 2018. Jovica will be active as SU9JT with 100 watts and wire antennas. QSL via E73Y, by the Bureau or direct. Clublog's OQRS will be activated when QSL cards are received from printer at the end of February.



## African Islands

IOTA frequencies

CW: 28 040 24 920 21 040 18 098 14 040 10 114 7 030 3 530 kHz

SSB: 28 560 28 460 24 950 21 260 18 128 14 260 7 055 3 760 kHz

3C1L/3C0L Video Available. Yuris, YL2GM, posted on YouTube.com a video of his (along with Kaspars, YL3AIW) recent Equatorial Guinea (3C1L) and Annobon (3C0L) DXpedition (9 October to 12 November 2017). You can view it at [www.youtube.com/watch?v=aLN2O8zsXUg](http://www.youtube.com/watch?v=aLN2O8zsXUg)

Madeira islands, CT9. Hardy/DL3KWF and YL Rosel/DL3KWR will be active again as CT9/DL3KWF and CT9/DL3KWR from Madeira (AF-014) between 8 March and 5 April. Preferred activity will be on 30, 17 and 12 metres and CW. Also watch 60 meters (5 351.5 to 5 366.5 kHz, QX 5 405 kHz). Equipment is an IC-7000 and AH-4 into a 7 m vertical. QSL via their home call sign, direct, by the Bureau (also via e-mail request), eQSL or LoTW. Visit their Madeira page at [www.dl3kwf.com/CT39/CT39-Results-e.htm](http://www.dl3kwf.com/CT39/CT39-Results-e.htm)

Angola, D2. The D2TI DXpedition to Tigres Island (IOTA AF-108) is still going to happen. "As of now the initial team all had to pull out due to various reasons", DX World reported a few days ago. Nonetheless, "there is still a core team involved in this expedition" and they "will try undertake the activity sometime mid-March." Bookmark <https://dx-world.net/> for updates.

Reunion Island, FR. Alain, F1FJR will be active as FR/F1FJR from Reunion Island (IOTA AF-016) from 5 March to 15 May. He will operate FT8 on 80 to 10 m. QSL via home call (direct or bureau), and eQSL.

St Brandon Island, 3B7A. (Press Release #6, dated 23 February). In about a month we will reach Saint Brandon. This year of work to prepare the project was intense and we are impatient to see it finally materialize. Our 700 kg of equipment is currently in transit to Mauritius. They will then join the generators and the fuel stock on the

boat for a departure to Saint Brandon on April 3rd with two members of the team. The other operators will take a second boat on 5 April. This solution allows us to secure the transport of people and equipment, throws some limits too constraining weight and provides some redundancy in case of problems. This of course has a cost, but it seems essential.

The "pre-team" will be in charge of equipment transit operations, identification of installation sites of stations and antennas. If time permits, some elements will of course already be put in place, to save a lot of time when the rest of the team will join them. So, we will potentially be on the air pretty quickly, but no QSO will be done until the entire team is on site.

You could discover a page dedicated to propagation forecasts on our website. You will find the best times / bands to contact us depending on your location. This type of schedule will be installed on each station and will guide our traffic completely. Priority will be given systematically to the most difficult regions with the shortest openings.

We reproduce the organizations that we set up in Tromelin (FT4TA) then Juan de Nova (FT4JA). These are 5 stations that are totally identical and capable of working in all modes that will be available to the 8 operators. We will make sure that we use a maximum of them simultaneously, primarily at the most important times around our sunrises and sunsets, also optimising the mandatory rest phases. To meet our objectives, we have decided this year not to carry a 6 m antenna, as we know that conditions are unlikely to be favourable.

There will be no 6 m EME activity. Finally, since the question was also put to us, we will not be active on the band of 60 m which part of the bands is not authorized on our license.

Also remember if necessary that it is not a destination with "regular flights and hotels all inclusive" ... From the outset of Mauritius, we will have everything to manage - loading / unloading operations, energy management and generator sets, food, maintenance, etc. All this will undoubtedly add a lot of work and fatigue in addition to the hours of traffic.

Once again, rest assured of our greatest motivation, we look forward to contacting you! Continue to support us from our website [www.saintbrandondx.com/how-to-help-us](http://www.saintbrandondx.com/how-to-help-us) and follow us on Facebook [www.facebook.com/SaintBrandonDX](https://www.facebook.com/SaintBrandonDX) and Twitter <https://twitter.com/SaintBrandonDX>.

### 3Y0Z Bouvet DXpedition News

As you probably heard (and read in Radio ZS) the 3Y0Z team, aboard the M/V Betanzos, was greeted by a 37-foot ketch in Cape Town Harbour in South Africa (SA) and its crew of ZS amateur friends on 17 February at 14:50 UTC. The team was grateful for their assistance in getting them into the dock and processed by the SA customs and immigration folks. By 15:30 UTC, they were docked and were processed by customs and immigration. We are sure the team was happy to be back on land after being at sea for 30 some days.

An interesting video (3:31 min) was posted this past week by Nodir, EY8MM, from on the deck of M/V Betanzos during their voyage to Bouvet as well as video of the island at <https://vimeo.com/257078692>. Also view the pictures he took at [www.ey8mm.com/pictures/item/194-2018-bouvet-island-expedition](http://www.ey8mm.com/pictures/item/194-2018-bouvet-island-expedition)

*Nodir, could not get off the ship due to the stupid visa requirements and missed the function at the Royal Cape Yacht Club!*

### 3Y0I Bouvet DXpedition

Looking into more details on the 3Y0I DXpedition to Bouvet Island, their Web page <https://bouvetoya.org> points out specific goals the 3Y0I team wants to achieve:

- \* To be the very first Polish expedition to the sub Antarctic island of Bouvet
- \* To make radio contacts with amateur radio enthusiasts from all over the world with our amateur radio expedition
- \* To geographically explore the island, including reaching the island's highest peak, Olavtoppen (760 m asl and no SOTA number), which is 93% covered with an ice cap
- \* To photo and video document their cruise and stay at the island including documentation for the Norwegian Polar Institute and their Sponsors
- \* Place a "time capsule" at Olavtoppen
- \* Bouvet is ranked #2 on the DXCC Most-Wanted List and thousands of amateurs around the globe on all continents are waiting for a chance to make a radio contact with Bouvet since the island was last heard on the air over 10 years ago
- \* Thanks to Bouvet's unique and demanding location, their 3-week long cruise on stormy seas and ability to broadcast live from the island, their expedition will become a world-wide event across Polish and international media

Look for the 3Y0I team plan to update more details and news on their Web page as well as FaceBook and Twitter. No specific dates have been announced for the 3Y0I DXpedition, but they state it will take place during the sub-Antarctic summer in the Southern Hemisphere.

BREAKING NEWS (Their Web page posted the following update on 24 February)[edited]: Once we rebooted preparations to our expedition, there are new, better ideas and breakthrough possibilities emerging. We also received a big number of questions, suggestions and comments from amateurs all over the world to which we wish to respond with our latest important news.

#### A new vessel – new possibilities

Apart from our expedition yacht, we have managed to secure bigger expedition vessel at really bargain rates. The vessel will secure transportation of team members and all the equipment to the island. The vessels' crew is experienced in troop landing at Bouvet and other sub-Antarctic islands. Our cruise plan does not change - we will depart from and sail back to Cape Town, which will reduce time and cost involved to possible minimum. We will publish dates of our expedition shortly.

The bigger vessel will also allow to take a bigger amount of team members and payload without increasing the cost of our project. The landing procedure will be supervised by landing troops and will utilize special boats that will allow the team to transport our gear and to land at the island safely.

Our preparations to the expedition are taking place in extraordinary times and under unusual conditions. As we informed previously, our initial plans to go to Bouvet in late 2017 were suspended after receiving a kind request from the 3Y0Z's organisers. Bearing in mind their commitment, devotion and big budget they were forced to sacrifice while aborting their expedition, we took a breaking through decision, which – we hope – will find an acceptance not only of the 3Y0Z Team but also among amateurs waiting for Bouvet's ATNO all over the world.

#### The invitation

Hereby, we – as the organizers of the 3Y0I Bouvet Island Expedition – invite the team of the 3Y0Z expedition to join forces and to participate in our common project. The common project that will also allow to make their initial plans coming true. Our decision is also caused by a fact we are fully aware and full of sympathy of their disappointment as the organizers followed by public opinions following the failure and cancellation of their plans.

Thanks to joining the projects, we will be able to reduce cost of our common venture as well as we'll be able to bring Bouvet Island on the air under better conditions with more benefits to the amateur radio society. Our unprecedented decision opens not only new fantastic opportunities but is also a proof that our plans are driven by the Ham Spirit and will of cooperation, not division. Looking forward to cooperation and bringing Bouvet island on the air – together.

The 3Y0I Bouvet island Expedition

### **Spratly Islands, 9M0, (Update)**

A multi-international team will be active as 9M0W from Layang Layang Island (Swallow Reef), Spratly Islands (AS-051) between 6 and 13 March. Dragan, YT3W, informs that Team 9M0W has all prepared documents for this DXpedition in March 2018 on the famous Spratly Island - Layang Layang. They have the landing permit from the Malaysian government in hand. They also have the licence from the MCMC with the call sign 9M0W. The 20 operators/individuals mentioned are Hrane, YT1AD (Team Leader), Choi, HL5FUA, Krassimir, K1LZ, Jeffrey, K1ZM, Dave, WD5COV, Jim, K9JM, Dragan, YT3W, Dusko, ZL3WW and his YL, David, W5XU, Adrian, KO8SCA, Demetrios, SV2GWY, Peter, VK3FN, Chris, VK3FY, Radivoj, F6GNZ, Choigonjav, JT1CO, Fred, PY2XB, Julia, 9M6ABZ, Abdul, 9M6RHM and Zai, 9M6ZAE. Activity will be 160 to 6 meters using CW, SSB and the Digital modes (FT8 and PSK63). QSL via YT1AD, direct or by the Bureau. For more details, updates and log search, see [www.yt1ad.info/9m0w](http://www.yt1ad.info/9m0w)

Added Note from YT3W. Dave, K3LP, was expected to be a member of this DXpedition, but since he became a Silent Key (SK) the 9M0W team will dedicate this DXpedition in memory of David Collingham, K3LP.

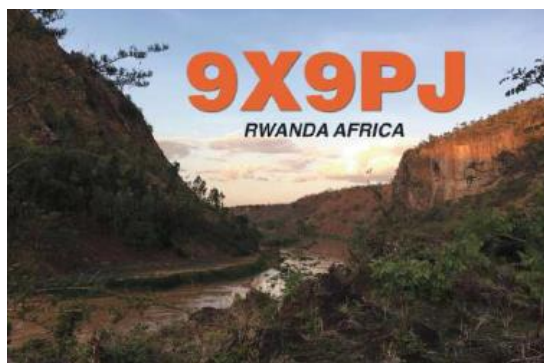
### **Aluminium**

Aluminium has exhibited new properties when its crystal structure is modified. Researchers at Purdue University introduced what they are calling 'defects' between layers of the material by displacement of aluminium atoms, or by the introduction of other atoms such as iron. The result is an increased ability to resist corrosion and increased strength <https://newatlas.com/aluminum-alloy-stacking-faults/53157>



## Moving your Shack?

If you dread moving your radio shack to a new location, imagine what moving a multi-ton 1950s telephone exchange building would have been like while keeping it in operation <https://99percentinvisible.org/episode/managed-re-treat/2/>.



## Word to the Wise

**Aggregator.** A software program written by Dick, W3OA, that accepts DX spots from CW Skimmers or Skimmer Servers and then forwards the spots to the Reverse Beacon Network <http://reversebeacon.net/>. For more information about all of the components involved in this aspect of the DX spotting network, see the presentation "CW and RTTY Skimmer and the Reverse Beacon Network" by Bob, N6TV, [www.contestuniversity.com/wp-content/uploads/2017/06/N6TV\\_CTU\\_2017\\_CW\\_and\\_RTTY\\_Skimmer\\_and\\_the\\_Reverse\\_Beacon\\_Network.pptx](http://www.contestuniversity.com/wp-content/uploads/2017/06/N6TV_CTU_2017_CW_and_RTTY_Skimmer_and_the_Reverse_Beacon_Network.pptx).

## Radio Jamming

"The Empire of Noise" is a documentary about radio jamming used during the Cold War era [www.youtube.com/watch?v=nXV4nTfGHuI](http://www.youtube.com/watch?v=nXV4nTfGHuI). The producers incorporated jamming noise as part of the audio narration, which amply demonstrates why it can be such a deterrent to listening.

## Receiving Antenna Metrics with Examples

"Receiving Antenna Metrics with Examples," a webinar by Jukka, OH6LI, has been posted on the World Wide Radio Operator Foundation (WWROF) website <http://wwrof.org/webinar-archive/receiving-antenna-metrics-with-examples/>. New metrics, including a **Directivity Metric Figure**, are described which can provide additional information beyond gain and front to back measures.

## 2018 CQ WPX RTTY Contest

Preliminary results for the 2018 CQ WPX RTTY Contest have been posted According to the Contest Director, Ed, W0YK, "Typically, there is little change in the order-of-finish, but the actual scores will all decrease after log check." [www.cqwpxrty.com/raw.htm](http://www.cqwpxrty.com/raw.htm).

## New tool for examining logs

For a limited time, the CQ WW Contest Committee has made available a new tool for examining logs in the CQ WW Contest <http://cqww.com/blog/crowd-sourcing-for-identifying-outliers-in-cqww-logs/>. With this Tableau-based tool, different metrics of various logs can be examined and compared. This is **not** a 'GO/NO-GO' type of tool. It is a visualization and data exploration tool that can assist in analyses of various aspects of logs to identify areas for further investigation.

## Operating Tip - Always include a Space at the end of your RTTY messages

It is accepted practice to put a space at the beginning of RTTY messages to separate valid characters from any spurious decodes preceding them and to take advantage of the **Unshift on Space (USOS)** feature of many modern RTTY decoders. It is also wise to put a space AFTER each message, so that any subsequent spurious decodes are separated from the messages. This improves readability and makes copying message text by mouse movement or clicking easier for the receiving operator. **Bonus:** Do not use too many LINEFEEDs which can cause the other operator to chase the text around the screen.

## Radial systems for vertical antennas

Dick, W7WKR, suggests that Rudy, N6LF's website be referenced for radial systems for vertical antennas <http://www.antennasbyn6lf.com/2017/02/lf-mf-antenna-notes.html>. "He presents a six-chapter study of vertical antenna designs with a strong focus on MF and LF - 630 and 2 200 metre bands."

## Wireless transfer of power

The wireless transfer of power is currently in vogue for powering or charging items that vary in size from cellular telephones to electric cars. At least one company has obtained temporary authorization

<https://apps.fcc.gov/els/GetAtt.html?id=204036&x=>. to use radio spectrum to test its technology and Amateurs should be suitably wary of any technology that has the potential to put thousands of watts of RF near or on the ham bands. There are other technologies that are also being pursued in the quest to eliminate the charging cable such as this one by Disney Research where the test setup is akin to placing a medium-wave loop antenna inside of a Faraday cage containing the devices to be charged <http://journals.plos.org/plosone/article?id=10.1371/journal.pone.0169045>. And then using around 2 kW of RF with radiator currents up to 140 Amperes.

## Finding and identifying RFI sources

Dave, NK7Z, has added a second chapter on finding and identifying RFI sources using SDRs to his website: "RFI Site Survey - Part II, Interpretation" [www.nk7z.net/rfi-site-survey-part-ii-interpretation/](http://www.nk7z.net/rfi-site-survey-part-ii-interpretation/). Dave discusses his setup and provides real-world examples of certain types of signals that can be found, including over-the-horizon RADAR, switching power supplies, etc.

## Faraday cages

Faraday cages block electric fields and are considered a good way to reduce the threat of electronic eavesdropping. But they do not shield against magnetic fields and in a recent paper researchers describe how an adversary could use regular computer hardware and special software inside a Faraday cage to transmit information via magnetic fields to a receiver located outside the cage <https://arxiv.org/abs/1802.02700>.

## Contest Calendar

This week's contests as compiled by Bruce Horn, WA7BNM. The period covered is 26 February to 5 March 2018

North Carolina QSO Party  
15:00 UTC 25 February to 00:59 UTC 26 February  
Geographic Focus: United States/Canada state/province QSO party  
Participation: Worldwide  
Awards: Worldwide  
Mode: CW, Phone, Digital  
Bands: 80, 40, 20, 15, 10, 6, 2 m  
Classes: Single Op - NC or non-NC - CW, phone or digital - low; Single Op - NC or non-NC Mixed - QRP, low or high; NC Mobile Mixed - low; NC Mobile Lone Ranger Mixed - low; NC Club Mixed - low or high; NC Club Phone - low; NC County Expedition Mixed - QRP or low  
Max power: HP: >150 watts; LP: 150 watts; QRP: 5 watts CW or dig/10 watts phone  
Exchange: NC: County; non-NC: state, province or country  
Work stations: Once per band per mode  
QSO Points: 2 points per phone QSO; 3 points per CW QSO; 3 points per digital QSO; Bonus Points: 50 points for at least one QSO with Columbus (COL) county; 50 points for at least one QSO with Alleghany (ALL) county; 50 points for at least one QSO with NI4BK; 50 points for at least one QSO with W4DW; 50 points for at least one QSO with W1VOA; 50 points for at least one QSO with NC4QP; 200 points if all 6 other bonus points worked; Bonus Points for NC Mobiles/Expeditions: 100 points for each county activated  
Multipliers: NC stations: Each NC county, state, province, and one DXCC country once; Non-NC stations: Each NC county once

Score Calculation: Total score = (total QSO points x total mults) and bonus points  
Submit logs by: 12 March 2018  
E-mail logs to: (none)  
Upload log at: <http://www.ncqsoparty.org/logs>  
Mail logs to: NC QSO Party, c/o Charles Swindell, 10809 Rondeau Woods Ct., Raleigh, NC 27614, USA  
Find rules at: <http://ncqsoparty.org/rules/>

SKCC Sprint  
00:00 - 02:00 UTC 28 February  
Geographic Focus: Worldwide  
Participation: Worldwide  
Awards: Worldwide  
Mode: CW  
Bands: 160, 80, 40, 20, 15, 10 m  
Classes: (none)  
Exchange: RST, state, province or country, name and SKCC no or power  
Work stations: Once per band  
QSO Points: (see rules)  
Multipliers: Each state, province, or country once  
Score Calculation: Total score = (total QSO points x total mults) and bonus points  
Submit logs by: 23:59 UTC 2 March 2018  
E-mail log summary to: (none)  
Post log summary at: [http://www.skccgroup.com/operating\\_activities/weekday\\_sprint/submit-display.php](http://www.skccgroup.com/operating_activities/weekday_sprint/submit-display.php)  
Mail logs to: (none)  
Find rules at: [http://www.skccgroup.com/operating\\_activities/weekday\\_sprint/](http://www.skccgroup.com/operating_activities/weekday_sprint/)

#### QRP Fox Hunt

02:00 - 03:30 UTC 28 February

Geographic Focus: United States

Participation: Worldwide

Mode: CW

Bands: 40 m Only

Classes: Single Op - fox or hound

Max power: 5 watts

Exchange: RST, state, province or country, name and power output

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 03:30 UTC 1 March 2018

E-mail logs to: (see rules)

Mail logs to: (none)

Find rules at: [http://www.qrpfoxhunt.org/winter\\_rules.htm](http://www.qrpfoxhunt.org/winter_rules.htm)

Phone Fray: 02:30 - 03:00 UTC 28 February

Geographic Focus: North America

Participation: Worldwide

Mode: SSB

Bands: 160, 80, 40, 20, 15 m

Classes: Single Op

Max power: 100 watts

Exchange: NA: Name and state, province or country; non-NA: Name

Work stations: Once per band

QSO Points: NA station: 1 point per QSO; non-NA station: 1 point per QSO with an NA station

Multipliers: Each US state (including KH6/KL7) once per band; Each VE province/territory once per band; Each North American country (except W/VE) once per band

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 03:00 UTC 2 March 2018

E-mail logs to: (none)

Post log summary at: <http://www.3830scores.com>

Mail logs to: (none)

Find rules at: [http://www.per-luma.com/Phone Fray Contest Rules.pdf](http://www.per-luma.com/Phone_Fray_Contest_Rules.pdf)

#### CWops Mini-CWT Test

13:00 - 14:00 UTC and 19:00 - 20:00 UTC 28 February and 03:00 - 04:00 UTC 1 March

Geographic Focus: Worldwide

Participation: Worldwide

Awards: Worldwide

Mode: CW

Bands: 160, 80, 40, 20, 15, 10 m

Classes: Single Op - QRP, low or high

Max power: HP: >100 watts; LP: 100 watts; QRP: 5 watts

Exchange: Member: Name and member no; non-Member: Name and state, province or country

Work stations: Once per band

QSO Points: 1 point per QSO

Multipliers: Each call once

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 04:00 UTC 3 March 2018

Post log summary at: <http://www.3830scores.com>

Mail logs to: (none)

Find rules at: <http://www.cwops.org/cwt.html>

#### UKEICC 80 m Contest

20:00 - 21:00 UTC 28 February

Geographic Focus: Europe

Participation: Worldwide

Mode: CW

Bands: 80 m Only

Classes: Single Op Connected - QRP, low or high; Single Op Unconnected - QRP, low or high

Max power: HP: 1 500 watts; LP: 100 watts; QRP: 5 watts

Exchange: 4-Character grid square

QSO Points: 1 point per 500 km; multiply QSO points by 2 if low power station; multiply QSO points by 4 if QRP station

Multipliers: (none)

Score Calculation: Total score = total QSO points

Submit logs by: 22:00 UTC 28 February 2018

E-mail logs to: (none)

Upload log at: <http://logs.ukaiccc.com/cgi-bin/hfenter.pl>

Mail logs to: (none)

Find rules at: [http://www.ukaiccc.com/which-contest/which-contest-ukeicc-80 m-contests-rules](http://www.ukaiccc.com/which-contest/which-contest-ukeicc-80-m-contests-rules)

#### NCCC RTTY Sprint

01:45 - 02:15 UTC 2 March

Geographic Focus: North America

Participation: Worldwide

Mode: RTTY

Bands: (see rules)

Classes: (none)

Exchange: Serial no, name and QTH

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 4 March 2018

E-mail logs to: (none)

Post log summary at: <http://www.3830scores.com/>

Mail logs to: (none)

Find rules at: <http://www.ncccsprint.com/rttyns.html>

#### QRP Fox Hunt

02:00 - 03:30 UTC 2 March

Geographic Focus: United States

Participation: Worldwide

Mode: CW

Bands: 80 m Only

Classes: Single Op - fox or hound

Max power: 5 watts  
 Exchange: RST, state, province or country, name and power output  
 QSO Points: 1 point per QSO  
 Multipliers: (none)  
 Score Calculation: Total score = total QSO points  
 Submit logs by: 03:30 UTC 3 March 2018  
 E-mail logs to: (see rules)  
 Mail logs to: (none)  
 Find rules at: [http://www.grpfoxhunt.org/winter\\_rules.htm](http://www.grpfoxhunt.org/winter_rules.htm)

NCCC Sprint  
 02:30 - 03:00 UTC 2 March  
 Geographic Focus: North America  
 Participation: Worldwide  
 Mode: CW  
 Bands: (see rules)  
 Classes: (none)  
 Exchange: Serial no, name and QTH  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 4 March 2018  
 E-mail logs to: (none)  
 Post log summary at: <http://www.3830scores.com/>  
 Mail logs to: (none)  
 Find rules at: <http://www.ncccsprint.com/rules.html>

ARRL International DX SSB Contest  
 00:00 UTC 3 March to 24:00 UTC 4 March  
 Geographic Focus: United States/Canada  
 Participation: Worldwide  
 Awards: Worldwide  
 Mode: SSB  
 Bands: 160, 80, 40, 20, 15, 10 m  
 Classes: Single Op All Band - QRP, low or high; Single Op Single Band; Single Op Unlimited - low or high; Multi-Single - low or high; Multi-Two; Multi-Multi  
 Max power: HP: 1 500 watts; LP: 150 watts; QRP: 5 watts  
 Exchange: W/VE: RS and state or province; non-W/VE: RS and power  
 Work stations: Once per band  
 QSO Points: 3 points per QSO  
 Multipliers: W/VE: Each DXCC country once per band; Non-W/VE: Each state, District of Columbia, VE province/territory once per band  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 23:59 UTC 9 March 2018  
 E-mail logs to: (none)  
 Upload log at: <http://contest-log-submission.arrl.org>  
 Mail logs to: ARRL Intl DX Contest, Phone, ARRL, 225 Main St., Newington, CT 06111, USA  
 Find rules at: <http://www.arrl.org/arrl-dx>

Novice Rig Roundup

00:00 UTC 3 March to 24:00 UTC 10 March  
 Geographic Focus: United States  
 Participation: Worldwide  
 Mode: CW  
 Bands: 80, 40, 15, 10, 2 m  
 Classes: Novice 1 (xtal control); Novice 2 (VFO control)  
 Max power: Novice 2: 250 watts input; Novice 1: 75 watts input  
 Exchange: RST, QTH, name and class  
 Work stations: Once per band  
 QSO Points: (see rules)  
 Multipliers: Each state, province and country  
 Score Calculation: Total score = total QSO points x total mults  
 Submit logs by: 9 April 2018  
 E-mail logs to: (none)  
 Upload log at: <http://Nov-iceRigRoundup.com/logs.htm>  
 Mail logs to: (none)  
 Find rules at: <http://novicerigroundup.com/>

Wake-Up! QRP Sprint  
 06:00 – 06:29 UTC and 06:30 – 06:59 UTC and 07:00 – 07:29 UTC and 07:30 – 08:00 UTC 3 March  
 Geographic Focus: Worldwide  
 Participation: Worldwide  
 Mode: CW  
 Bands: 40, 20 m  
 Classes: (none)  
 Max power: 5 watts  
 Exchange: RST, serial no and suffix of previous QSO ("QRP" for 1st QSO)  
 Work stations: Once per band per period  
 QSO Points: 1 point per km  
 Multipliers: 1 point per new station worked on each band  
 Score Calculation: Total score = total QSO points x total multiplier points  
 Submit logs by: 10 March 2018  
 E-mail logs to: [ru-grp-club@mail.ru](mailto:ru-grp-club@mail.ru)  
 Mail logs to: (none)  
 Find rules at: <http://grp.ru/contest/wakeup/333-wakeup-eng>

Open Ukraine RTTY Championship  
 18:00 – 20:59 UTC (Low Band) and 21:00 - 23:59 UTC 3 March (Low Band) and 08:00 – 10:59 UTC (High Band) and 11:00 – 13:59 UTC 4 March (High Band)  
 Geographic Focus: Worldwide  
 Participation: Worldwide  
 Awards: Worldwide  
 Mode: RTTY  
 Bands: 160, 80, 40, 20, 15, 10 m  
 Classes: Single Op Multi-Band  
 Single Op Single Band  
 Multi-Op Multi-Band



Exchange: 2-letter regional abbrev. – state, province, canton, etc. and serial no - restart serial no for high band

Work stations: Once per band per period

QSO Points: 2 points per QSO

10 points per new region once per band per period

Multipliers: (none)

Score Calculation: Total score = total points

Submit logs by: 19 March 2018

E-mail logs to: [krs@model.poltava.ua](mailto:krs@model.poltava.ua)

Mail logs to: (none)

Find rules at: <http://krs.ho.ua/openrtty/>

UBA Spring CW Contest

07:00 - 11:00 UTC 4 March

Geographic Focus: Belgium

Participation: Worldwide

Mode: CW

Bands: 80 m Only

Classes: Single; SWL

Max power: non-QRP: >5 watts; QRP: 5 watts

Exchange: ON: RST, serial no and UBA section; non-

ON: RST and serial no

QSO Points: 3 points per QSO with Belgian station

Multipliers: Each UBA Section

Score Calculation: Total score = total QSO points x total mults

Submit logs by: 18 March 2018

E-mail logs to: [ubaspring@uba.be](mailto:ubaspring@uba.be)

Mail logs to: (none)

Find rules at: <http://www.uba.be/hf/contest-rules/spring-contest>

NSARA Contest

12:00 - 16:00 UTC 4 March and 18:00 - 22:00 UTC 4 March

Geographic Focus: United States/Canada state/province QSO party

Participation: Worldwide

Mode: CW, SSB, Digital

Bands: 80 m Only

Classes: Single Transmitter – CW, SSB, digital or mixed

Exchange: Nova Scotia: RS(T) and county; non-NS: RS(T)

Work stations: Once per mode

QSO Points: 1 point per QSO

Bonus Points: (see rules)

Multipliers: Nova Scotia counties once per mode

Score Calculation: Total score = (total QSO points x total mults) and bonus points

Submit logs by: 3 April 2018

E-mail logs to: [ve1pjs@rac.ca](mailto:ve1pjs@rac.ca)

Mail logs to: Peter J. Surette, VE1PJS, 48 Birch St., Truro, Nova Scotia B2N 4X2, Canada

Find rules at: [http://nsara.ve1cfy.net/?page\\_id=82](http://nsara.ve1cfy.net/?page_id=82)

SARL Hamnet 40 m Simulated Emergency Contest

12:00 UTC-14:00 UTC 4 March

Geographic Focus: Southern Africa

Participation: Southern Africa

Awards: Southern Africa

Mode: SSB

Bands: 40 m Only

Classes: A: Single Op Stationary Mobile; B: Single Op Portable; C: Multi-Op Portable; D: Single Op Base Station

Exchange: Class A: RS and serial no (starting with 201); Class B: RS and serial no (starting with 401);

Class C: RS and serial no (starting with 601); Class D: RS and serial no (starting with 801); Non-participants:

RS and serial no (starting with 001)

Score Calculation: (see rules)

Submit logs by: 11 March 2018

E-mail logs to: [contest@peham.co.za](mailto:contest@peham.co.za)

Mail logs to: Hamnet Eastern Cape, Al Akers, ZS2U, 53 Clarence Street, Westering, Port Elizabeth 6025, South Africa

Find rules at: <http://www.sarl.org.za/Web3/Members/DoDocDownload.aspx?X=201712180812348XdiUz5yFy.PDF>

RSGB 80 m Club Championship, Data

20:00 – 21:30 UTC 5 March

Geographic Focus: United Kingdom

Participation: Worldwide

Awards: United Kingdom

Mode: RTTY, PSK

Bands: 80 m Only

Classes: (none)

Exchange: RST and serial no

QSO Points: 1 point per QSO

Multipliers: (none)

Score Calculation: (see rules)

Submit logs by: 23:59 UTC 6 March 2018

Upload log at: <http://www.rsgbcc.org/cgi-bin/hfenter.pl>

Mail logs to: (none)

Find rules at:

[http://www.rsgbcc.org/hf/rules/2018/r80\\_mcc.shtml](http://www.rsgbcc.org/hf/rules/2018/r80_mcc.shtml)

## Next Week's Contests

Novice Rig Roundup, 00:00 UTC 3 March to 24:00 UTC 10 March

ARS Spartan Sprint, 02:00 - 04:00 UTC 6 March  
 AGCW YL-CW Party ,19:00 - 21:00 UTC 6 March  
 QRP Fox Hunt, 02:00 - 03:30 UTC 7 March  
 Phone Fray, 02:30 - 03:00 UTC 7 March  
 CWops Mini-CWT Test, 13:00 - 14:00 UTC and 19:00 - 20:00 UTC 7 March and 03:00 - 04:00 UTC 8 March  
 NRAU 10 m Activity Contest, 18:00 - 19:00 UTC (CW) 19:00 - 20:00 UTC (SSB) 20:00 - 21:00 UTC (FM) and 21:00 - 22:00 UTC 7 March (Dig)  
 UKEICC 80 m Contest, 20:00 - 21:00 UTC 7 March  
 AWA John Rollins Memorial DX Contest, 23:00 UTC 7 March to 23:00 UTC 8 March and 23:00 UTC 10 March to 23:00 UTC 11 March  
 NCCC RTTY Sprint, 01:45 - 02:15 UTC 9 March  
 QRP Fox Hunt, 02:00 - 03:30 UTC 9 March  
 NCCC Sprint, 02:30 - 03:00 UTC 9 March  
 RSGB Commonwealth Contest, 10:00 UTC 10 March to 10:00 UTC 11 March  
 SKCC Weekend Sprintathon, 12:00 UTC 10 March to 24:00 UTC 11 March  
 F9AA Cup, SSB, 12:00 UTC 10 March to 12:00 UTC 11 March  
 South America 10 Meter Contest, 12:00 UTC 10 March to 12:00 UTC 11 March  
 AGCW QRP Contest, 14:00 - 20:00 UTC 10 March  
 Stew Perry Topband Challenge, 15:00 UTC 10 March to 15:00 UTC 11 March  
 Oklahoma QSO Party, 15:00 UTC 10 March to 02:00 UTC 11 March and 14:00 - 20:00 UTC 11 March  
 EA PSK63 Contest, 16:00 UTC 10 March to 16:00 UTC 11 March  
 TESLA Memorial HF CW Contest, 18:00 UTC 10 March to 05:59 UTC 11 March  
 QCWA QSO Party, 18:00 UTC 10 March to 18:00 UTC 11 March  
 Idaho QSO Party, 19:00 UTC 10 March to 19:00 UTC 11 March  
 QRP ARCI Spring Thaw SSB Sprint, 22:00 - 23:00 UTC 10 March  
 North American Sprint, RTTY, 00:00 UTC-04:00 UTC 11 March  
 Wisconsin QSO Party, 18:00 UTC 11 March to 01:00 UTC 12 March  
 WAB 3.5 MHz Phone, 18:00 - 22:00 UTC 11 March  
 4 States QRP Group Second Sunday Sprint, 00:00 - 02:00 UTC 12 March  
 CLARA Chatter Party, 17:00 UTC 13 March to 17:00 UTC 14 March and 17:00 UTC 17 March to 17:00 UTC 18 March

*Items used with acknowledgement to the ARRL Letter, the ARRL DX News, the ARRL Contest Update, OPDX Bulletin, 425 DX Bulletin, DXNL Newsletter, WIA-News, the RSGB News, DxCoffee, Southgate ARC News, DX World and the Amateur Radio Newsletter*

Revillagigedo, 4B4. Mark, XE1B, will be active as 4B4B from Socorro Island (NA-030, WW Loc. DK48MR), in the Revillagigedo Islands, between 1 and 15 March. Activity will be on 160 to 6 metres (no 30 m) using SSB. Suggested frequencies are 1 850, 3 790, 7 065/7 165, 14 195, 18 140, 21 295, 24 940, 28 475 and 50 140 kHz. Equipment will be an Icom IC-7600 transceiver with an ACOM 1010 amp into a Spiderbeam (20 to 10 m), vertical for 40/80 m, 160 m long wire and a 4 element Yagi for 6 m.

QSL via XE1B direct or ClubLog's OQRS. PLEASE support this DXpedition, it has been 7 years since the last operation by Mark, XE1B. Check out QRZ.com for more details and possible updates.

